SYSTEM AND METHOD FOR RAPIDLY SWITCHING BETWEEN REDUNDANT NETWORKS

ABSTRACT OF THE DISCLOSURE

A system and method for rapidly switching between redundant networks comprises a primary network controller, a plurality of network devices connected to the primary network controller by a respective primary network path, and at least one predetermined backup network path. When the primary network path is active, the network controller blocks the predetermined backup network paths. However, when the primary network path fails, the primary network controller blocks the failed primary network path and switches to one of the predetermined backup network paths. Because the backup network paths are determined in advance of a primary network path failure, the primary network controller can immediately switch to one of the predetermined backup network paths rather than having to recalculate an alternative network path after the primary network path has failed.